RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/695,451

DATE: 11/09/2000 TIME: 11:54:56

Input Set : A:\PTO.txt

Output Set: N:\CRF3\11092000\1695451.raw

```
3 <110> APPLICANT: Brenda F. Baker
              Lex M. Cowsert
              Hong Zhang
              Nicholas M. Dean
      8 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF THERL EXPRESSION
    10 <130> FILE REFERENCE: ISPH-0518
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/695,451
C--> 12 <141> CURRENT FILING DATE: 2000-10-24
    12 <150> PRIOR APPLICATION NUMBER: US 09/106,038
    13 <151> PRIOR FILING DATE: 1998-06-26
    15 <150> PRIOR APPLICATION NUMBER: PCT/US99/13763
    16 <151> PRIOR FILING DATE: 1999-06-17
    18 <160> NUMBER OF SEQ ID NOS: 246
    20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 2161
    24 <212> TYPE: DNA
    25 <213> ORGANISM: Homo sapiens
    27 <220> FEATURE:
    28 <221> NAME/KEY: CDS
    29 <222> LOCATION: (256)...(1623)
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     34
          gagteteaac eeteaactgt caccecaagg caettgggae gteetggaea gaeegagtee 180
          egggaageee cageactgee getgecacae tgeeetgage ccaaatgggg gagtgagagg 240
     35
          ccatagetgt etgge atg gge etc tec acc gtg eet gae etg etg etg eeg
     36
    37
                           Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro
     38
                                             5
    40
          ctg gtg ctc ctg gag ctg ttg gtg gga ata tac ccc tca ggg gtt att
          Leu Val Leu Leu Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile
    41
                   15
                                       2.0
                                                            2.5
    42
    44
           gga ctg gtc cct cac cta ggg gac agg gag aag aga gat agt gtg tgt
          Gly Leu Val Pro His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys
    46
                                   35
          cee caa gga aaa tat ate cae eet caa aat aat teg att tge tgt ace
    48
    49
          Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr
    50
                               50
                                                   55
    52
           aag tgc cac aaa gga acc tac ttg tac aat gac tgt cca ggc ccg ggg
          Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly
    53
    54
                           65
                                                70
    56
           cag gat acg gac tgc agg gag tgt gag age ggc tec ttc acc get tca
                                                                             531
    57
          Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser
    58
                      8.0
                                           8.5
           gaa aac cac ete aga cac tge ete age tge tee aaa tge ega aag gaa
    60
    61
          Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu
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100

ENTERED

DATE: 11/09/2000 TIME: 11:54:56 RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/695,451

Input Set : A:\PTO.txt
Output Set: N:\CRF3\11092000\1695451.raw

64																	
							tct										627
65	Met	-	Gln	Val	GLu	He	Ser	ser	Cys	Thr	Va.L		Arg	Asp	Thr	Va.L	
66	t	1.10	+ ~ ~	200	224	220	115	+	~~~	00+	+ - +	120	24+	~ ~ ~	224	at t	675
68 69			,				cag Gln		1					**			6/3
70	125	GIÃ	Cys	Arg	пур	130	GIII	1 y L	MIG		135	ııb	361	GIU	ASII	140	
72		can	tac	ttc	aat		aqc	oto	tac			aaa	200	ata	cac		723
73			**				Ser		-								123
74	1. 110,5		0,0		145	0,10	.,	2.1.0 (4	0,10	150		O.L. 1		Y C. J.	155		
76	t.cc	tac	caq	gag		caq	aac	acc	ata		acc	tac	cat	gca		ttc	771
77		-	_			_	Asn			-		-		-	-		
78		-1-		160	-2-				165	- 2				170	1		
8.0	ttt	cta	aga	gaa	aac	gag	tgt	gtc	tcc	tgt	agt	aac	tgt	aag	aaa	age	819
8 1.	Phe	Leu	Arg	Ğlu	Asn	Glu	Cys	Va.l.	Ser	Cys	ser	Asn	Cys	Lys	Lys	Ser	
82			175					180					185				
84	ctg	gag	tgc	acg	aag	ttg	tgc	cta	ccc	cag	att	gag	aat	gtt	aag	ggc	867
85	Leu	Glu	Суѕ	Thr	Lys	Leu	Cys	Leu	Pro	Gln	lle	G1u	Asn	Val	Lys	Gly	
86		190					195					200					
88		W- W-	-				aca					-	-				915
89		Glu	Asp	Ser	Gly		Thr	Val	Leu	Leu		Leu	Val.	Ile	Phe		
90	205					210					215					220	
92			-				ctc				~				**		963
93	GIY	Leu	суѕ	Leu		ser	Leu	Leu	Pne		G.I.Y	Leu	мет	туг	-	туг	
94					225				L	230		44			235		1012
96 97						-	ctc										101.1
98	(111)	AIG	irb	240	ser	PÃP	Leu	TYL	245	116	Vaj.	Cys	G.r. y	250	ser	1111	
1.00	cet	. daa	992		aaa	gag	ctt	gaa	_	act	act	act	. aan		eta	qcc	1059
101		_				guy	- C- C-	guu								•	1037
102	1.4		1 57.9	(() ()		G111	Len	Glu	_ C1v	Thr	Thr:	י יויי	` 1.VG	P) rc	าไดเ	Δla	
) G10	-		стА	Glu	Leu		-	Thr	Thr	Thr	_		Leu	Ala	
	cca		255	5	-			260					265				1107
1.04		ı aac	255 cca	i ago	ttc	agt	ccc	260 act	cca	ggc	tto	acc	265 ccc	acc	ctg	ggc	1107
1.04		ı aac	255 cca Pro	i ago	ttc	agt	ccc	260 act Thr	cca	ggc	tto	acc	265 ccc Pro	acc	ctg		1107
1.04 1.05	Pro	a aac Asn 270	255 cca Pro	ago Sen	ttc Phe	agt Ser	ccc Pro 275	260 act Thr	cca Pro	ggc Gly	t.tc Phe	acc Thr 280	265 ccc Pro	acc Thr	ctg Leu	ggc	1107 1155
1.04 1.05 1.06	P.ro	a aac Asn 270 agt	255 cos Pro	ago Sen gtg	tto Phe	agt Sen	Pro 275	260 act Thr	cca Pro	ggc Gly acc	t.to	acc Thr 280	265 ccc Pro	acc Thr	ctg Leu	ggc	
1.04 1.05 1.06 1.08	P.ro	a aac Asn 270 agt Ser	255 cos Pro	ago Sen gtg	tto Phe	agt Sen	ccc Pro 275 tcc	260 act Thr	cca Pro	ggc Gly acc	t.to	acc Thr 280 ago	265 ccc Pro	acc Thr	ctg Leu	ggc Gly acc	
104 105 106 108 109 110	Pro tto Phe 285	a aac Asn 270 agt Ser Ser	255 coca Pro coc Pro	ago Ser gtg Val	tto Phe ccc Pro	agt ser agt ser 290 aac	pro 275 tcc Ser	260 act Thr acc Thr	cca Pro ttc Phe	ggc Gly acc Thr	tto Phe tcc Ser 295	acc Thr 280 agc Ser	265 c ccc Pro tcc Ser	acc Thr acc Thr	ctg Leu tat Tyr	ggc Gly acc Thr 300 cca	
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13	Pro tto Phe 285	a aac Asn 270 agt Ser Ser	255 coca Pro coc Pro	ago Ser gtg Val	tto Phe ccc Pro	agt ser agt ser 290 aac	pro 275 tcc Ser	260 act Thr acc Thr	cca Pro ttc Phe	ggc Gly acc Thr	tto Phe tcc Ser 295 cgc	acc Thr 280 agc Ser	265 c ccc Pro tcc Ser	acc Thr acc Thr	ctg Leu tat Tyr gca	ggc Gly acc Thr 300 cca Pro	1155
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13	Pro tto Phe 285 cco Pro	a aac Asn 270 agt Ser G	255 coca Pro cocc Pro cocc Asp	ago Ser gtg Val	ttc Phe ccc Pro	agt Ser agt Ser 290 aac Asn	ccc Pro 275 tcc Ser ttt	260 act Thr acc Thr geg Ala	ttc Phe gct Ala	ggc Gly acc Thr ccc Pro 310	tto Phe tcc Ser 295 cgc Arg	acc Thr 280 agc Ser aga Arg	265 ccc Pro tcc Ser gag	acc Thr acc Thr gtg Val	tati Tyr gca Ala	ggc Gly acc Thr 300 cca Pro	1155
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14	Pro tto Phe 285 cco Pro	a aac O Asn 270 agt Ser G G ggt O Gly	255 cca	ago ago Ser gtg Val ctgt Cys	ttc Phe ccc Pro ccc Pro 305	agt Ser agt Ser 290 aac Asn	ccc Pro 275 tcc Ser ttt Phe	260 act Thr acc Thr gcg Ala	ttc Pro ttc Phe gct Ala	ggc Gly acc Thr ccc Pro 310 gcg	ttc Phe tcc Ser 295 cgc Arg	acc Thr 280 agc Ser aga Arg	265 ccc Pro tcc Ser gag	acc Thr acc Thr gtg Val	tat tat Tyr gca Ala 315	ggc Gly acc Thr 300 cca Pro	1155
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16	Pro tto Phe 285 cco Pro	a aac O Asn 270 agt Ser G G ggt O Gly	255 cca	ago Ser gtg Val tgt Cys Ggg	ttc Phe ccc Pro ccc Pro 305	agt Ser agt Ser 290 aac Asn	ccc Pro 275 tcc Ser ttt	260 act Thr acc Thr gcg Ala	ttc Phe gct Ala	ggc Gly acc Thr ccc Pro 310 gcg	ttc Phe tcc Ser 295 cgc Arg	acc Thr 280 agc Ser aga Arg	265 ccc Pro tcc Ser gag	acc Thr acc Thr gtg Val	ctg Leu tat Tyr gca Ala 315 tcc	ggc Gly acc Thr 300 cca Pro	1155
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17	tto Phe 285 cco Pro	a aac Asn 270 agt Ser G Gly tat	255 cca Pro cca Pro Asp cag	ago Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser	ccc Pro	agt sen sen 290 aac Asn gac	ccc Pro 275 tcc Ser ttt Phe	260 act Thr acc Thr gcg Ala atc	cca Pro ttc Phe gct Ala ctt Leu 325	ggc Gly acc Thr ccc Pro 310 gcg Ala	tto Phe tcc Ser 295 cgc Arg aca Thr	acc Thr 280 agc Ser aga Arg gcc	265 ccc Pro tcc Ser gag Glu	according the state of the stat	tate tate Tyres and Alam 315 took Ser	ggc Gly acc Thr 300 cca Pro gac	1155 1203 1251
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20	tto Phe 285 ccc Pro	a aac Ass 270 agt Ser Gly C ggt Tyr	255 CCC Pro	ago Ser gtg Val ctgt Cys Gly 320 aac	ttc Phe ccc Pro 305 gct Ala	agt ser 290 aac Asn gac Asp	ccc Pro 275 tcc Ser ttt Phe	260 act Thr acc Thr gcg Ala atc Ile	ctt Ctt Phe ctt Leu 325	ggc Gly acc Thr ccc Pro 310 gcg Ala	tto Phe tcc Ser 295 cgc Arg aca Thr	acc Thr 280 ago Ser aga Arg gcc Ala	265 cccc Pro tcc Ser gag Glu ctc Leu	according to the state of the s	ctg Leu tat Tyr gca Ala 315 tcc Ser	ggc Gly acc Thr 300 cca Pro gac Asp	1155
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20 1.21	tto Phe 285 ccc Pro	a aac Ass 270 agt Ser Gly C ggt Tyr	255 CCC Pro	ago ser gtg val tgt Cys Glyg 320 aac	ttc Phe ccc Pro 305 gct Ala	agt ser 290 aac Asn gac Asp	ccc Pro 275 tcc Ser ttt Phe	according according Alaccording Alaccordin	cca Pro ttc Phe gct Ala ctt Leu 325 tgg	ggc Gly acc Thr ccc Pro 310 gcg Ala	tto Phe tcc Ser 295 cgc Arg aca Thr	acc Thr 280 ago Ser aga Arg gcc Ala	265 cccc Pro tcc Ser gag Glu ctc Leu	according to the state of the s	ctg Leu tat Tyr gca Ala 315 tcc Ser	ggc Gly acc Thr 300 cca Pro gac	1155 1203 1251
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20 1.21	tto Phe 285 ccc Pro ccc Pro	a aac a Asn 270 a get a ggt b Gly tat a to Tyr	255 CCG Pro	ago Ser gtg Val tgt Cys Gly 320 aac	ttc Phe ccc Pro 305 gct Ala	agt ser 290 aac Asn gac Asp ctt	tcc 275 tcc Ser ttt Phe	260 act Thr acc Thr gcg Ala atc Ile aag Lys 340	cca Pro ttc Phe gct Ala ctt Leu 325	ggc Gly acc Thr ccc Pro 310 gcg Ala gag Glu	ttc Phe tcc Ser 295 cgc Arg aca Thr	acc Thr 280 ago Ser aga Arg gcc Ala	265 cccc Pro tcc Ser gag Glu ctc Leu	acc Thr acc Thr gtg Val gcc Ala 330 cac	tate tate Tyres also ser	ggc Gly acc Thr 300 cca Pro gac Asp	1155 1203 1251 1299
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20 1.21 1.22	tto Phe 285 ccc Pro ccc Pro	a aac o Asn 270 c agt c ser o Gly c tat o Tyr	255 CCC Pro	ago ser gtg Val tgt Cys ggg Gly 320 aac Asn	ttc Phe ccc Pro 305 get Ala	agt ser 290 aac Asm gac Asp ctt	ttt Phe ccc Cag Gln	260 acts Thr. accs Thr. gcg Ala atcs Ile aag Lys 340 ccc	cca Pro ttc Phe gct Ala ctt Leu 325 tgg	ggc Gly acc Thr ccc Pro 310 gcg Ala gag Glu	ttc Phe tcc Ser 295 cgc Arg aca Thr gac Asp	acc Thr 280 ago Ser aga Arg gcc Ala	265 cccc Pro	according to accor	ctg Leu tat Tyr gca Ala 315 tcc Ser aag Lys	ggc Gly acc Thr 300 cca Pro gac Asp cca Pro	1155 1203 1251
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20 1.21 1.22 1.24	tto Phe 285 ccc Pro ccc Pro	a aac o Asn 270 c agt c ser o Gly c tat o Tyr c atc o Ile	255 cca Pro	ago ser gtg Val tgt Cys ggg Gly 320 aac Asn	ttc Phe ccc Pro 305 get Ala	agt ser 290 aac Asm gac Asp ctt	ttt Phe ccc Pro cag Gln	260 acts Thr. accs Thr. gcg Ala atcs Ile aag Lys 340 ccc	cca Pro ttc Phe gct Ala ctt Leu 325 tgg	ggc Gly acc Thr ccc Pro 310 gcg Ala gag Glu	ttc Phe tcc Ser 295 cgc Arg aca Thr gac Asp	acc Thr 280 ago Ser aga Arg gco Ala ago Ser tao	265 cccc Pro tcc Ser gag Glu ctc Leu gcc Ala 345	according to accor	ctg Leu tat Tyr gca Ala 315 tcc Ser aag Lys	ggc Gly acc Thr 300 cca Pro gac Asp	1155 1203 1251 1299
1.04 1.05 1.06 1.08 1.09 1.10 1.12 1.13 1.14 1.16 1.17 1.18 1.20 1.21 1.22	tto Phe 285 ccc Pro ccc Pro ccc Ccc Ccc Cdc Cdc Cdc Cdc Cdc Cdc Cdc	a aaco Asn 2700 agt Ser Gly tat atco Ile	255 coas Pro	ago Ser gtg Val tgtg Val Cys Gly 320 aac Asp	ttc Phe ccc Pro 305 gct Ala ccc Pro	agtt Ser agtt Ser 290 aac Asn gac Asp ctt Leu gat	tttt Phe ccc pro cag Gln gac Asp	according Alamator The Alamator	cca Pro ttc Phe gct Ala ctt Leu 325 tgg Trp	ggc Gly acc Thr ccc Pro 310 gcg Ala gag Glu acg	ttcc Phe tcc Ser 295 cgc Arg aca Thr gac Asp	accce Tyr	2652 cccc Pro tccc Ser gagg Glu ctc Leu gcc Ala 345	acco Thr acco Thr gtg Val gcc Ala 330 cac His	ctg Leu tat Tyr gca Ala 315 tcc Ser aag Lys	ggc Gly acc Thr 300 cca Pro gac Asp cca Pro	1155 1203 1251 1299

DATE: 11/09/2000 TIME: 11:54:56 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/695,451

Input Set : A:\PTO.txt
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129		Val	Pro	Pro	Leu		Trp	Lys	Glu	Phe		Arg	Arg	Leu	Gly		
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132															tgc		1443
133	Ser	Asp	His	Gl u		Asp	A.rg	Leu	Glu		Gln	Asn	Gly	Arg	Cys	Leu	
134					385					390					395		
136															acg		1491
137	Arg	G.l u	Al.a		Tyr	Ser	Met	Leu		Thr	Trp	Arg	Ary		Thr	Pro	
138				400					405					41.0			
140		-		-	-				.,						gac		1539
141	Arg	Arg	Glu	Ala	Thr	Leu	Glu	Leu	Leu	Gly	Arg	Val	Leu	Arg	Asp	Met	
142			415					420					425				
144															ggc		1587
145	Asp	Leu	Leu	Gly	Cys	Leu	G l.u	Asp	Lle	Glu	Glu	Ala	Leu	Cys	Gly	Pro	
1.46		430					435					440					
1.48	gcc	gcc	otto	ccg	ccc	gcg	CCC	agt	ctt	ctc	aga	tga	ggct	tgcg	ccc		1633
149	Ala	Ala	Leu	Pro	Pro	Ala	Pro	ser	Leu	Leu	Arg	*					
150	445					450					455						
152	ctg	eggg	cag d	ctcta	aaqqa	ac co	tect	tgcga	a gat	cgc	ette	caac	cocc	act	tttt	ctgga	1693
1,53																accect	
154																egegeg	
155																gacge	
156																iggite	
1.57				-						-						tgttt	
158																geetg	
159																addacc	
1.60				-	ggad	-	-						*	-		,,,,,,	2161
	<210> 8				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<i>J</i>					5 -					
	<21.1> 1																
	<212> 1				,												
	<213> (ific	cial	Segi	ence	9								
	<220> F																
1.68	<223> 0	OTHEI	RINE	FORMA	OITA	1: PC	IR Pi	cimei	2								
	<400> 5																
171					ectea	a a a	:a										23
173	<210> 5					. ,	-										
	<21.1> 1	-															
	<212> 1																
	<213> 0				ific	rial	Sear	ience	3								
	<220> 1						0 0 -1 0		•								
	<223> 0			ORMA	4ОТТА	I: PC	R Pr	rimer	-								
	<400> 5																
182					aqaa	1											19
	<210> 5					-											
	<211> 1																
	<212> 7																
	<213> 0				ific	ia1	Sear	ence	2								
	<220> F																
	<223> 0			ORMA	MOITA	I: PC	R Pr	obe									
	<400> 5																
-				-													

DATE: 11/09/2000 TIME: 11:54:56 RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/695,451

Input Set : A:\PTO.txt
Output Set: N:\CRF3\11092000\1695451.raw

teagetgete caaatgeega aagg	24
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<212> TYPE: DNA	
<213> ORGANISM: Artificial Sequence	
<220> FEATURE:	
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<220> FEATURE:	
<223> OTHER INFORMATION: PCR Primer	
<400> SEQUENCE: 6	
gaagatggtg atgggatttc	20
<210> SEQ ID NO: 7	
<211> LENGTH: 20	
<212> TYPE: DNA	
<213> ORGANISM: Artificial Sequence	
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<223> OTHER INFORMATION: PCR Probe	
<400> SEQUENCE: 7	
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<213> ORGANISM: Artificial Sequence	
<220> FEATURE:	
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<400> SEQUENCE: 8	
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<211> LENGTH: 18	
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<220> FEATURE:	
<223> OTHER INFORMATION: Antisense Oligonucleotide	
<400> SEQUENCE: 9	
tecesteste tetgettt	18
<210> SEQ ID NO: 10	
<211> LENGTH: 18	
<212> TYPE: DNA	
<213> ORGANISM: Artificial Sequence	
<220> FEATURE:	
<223> OTHER INFORMATION: Antisense Oligonucleotide	
<400> SEQUENCE: 10	
agacteggge atagagat	18
	<pre><210</pre>



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/695,451

DATE: 11/09/2000 TIME: 11:54:56

Input Set : A:\PTO.txt

Output Set: N:\CRF3\11092000\1695451.raw

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262 <211> LENGTH: 18
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Antisense Oligonucleotide
269 <400> SEQUENCE: 11
270
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                                                                          18
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273 <211> LENGTH: 18
274 <212> TYPE: DNA
275 <213> ORGANTSM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Antisense Oligonucleotide
280 <400> SEQUENCE: 12
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                                                                          18
283 <210> SEQ ID NO: 13
284 <211> LENGTH: 18
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Antisense Oligonucleotide
291 <400> SEQUENCE: 13
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292
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294 <210> SEQ ID NO: 14
295 <211> LENGTH: 18
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Antisense Oligonucleotide
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305 <210> SEQ ID NO: 15
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308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Antisense Oligonucleotide
313 <400> SEQUENCE: 15
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314
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316 <210> SEQ ID NO: 16
317 <211> LENGTH: 18
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
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322 <223> OTHER INFORMATION: Antisense Oligonucleotide
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327 <210> SEQ ID NO: 17
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.





VERIFICATION SUMMARY DATE: 11/09/2000

TIME: 11:54:57 PATENT APPLICATION: US/09/695,451

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1207 M:361 W: Invalid Split Codon, Sequence data for SEQ TD#: 92L:1229 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:93 L:1229 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:93 L:1230 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:93 M:340 Repeated in SeqNo=93

L:1233 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:93 L:1234 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:93 L:1237 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:93